



THE FRANKLIN INSTITUTE

Awards

FOR IMMEDIATE RELEASE

Contact: Stefanie Santo, 215.448.1152

The Franklin Institute
222 North 20th Street
Philadelphia, PA 19103

**NINE INDIVIDUALS FROM AROUND THE GLOBE HONORED BY THE
FRANKLIN INSTITUTE THIS WEEK FOR OUTSTANDING SCIENTIFIC
AND BUSINESS ACHIEVEMENTS**

CBS Face the Nation moderator Bob Schieffer returns for the third year as Ceremony Host

Philadelphia, PA April 24, 2014 – The Franklin Institute in Philadelphia continues its celebration of science, technology and business this week with the presentation of the 2014 Franklin Institute Awards on Thursday, April 24. The annual event in Philadelphia recognizes the monumental and critical achievements of individuals in the fields of science, business leadership and technology. Among the 2014 Laureates, former CEO of Medtronic and author of *True North*, **Bill George** will receive the *Bower Award for Business Leadership* for his visionary leadership and philanthropic work. The \$250,000 *Bower Award and Prize for Achievement in Science* will be awarded to **Edmund M. Clarke**. The Franklin Institute Awards, often a precursor to the Nobel Prize, are awarded for outstanding achievements that have directly and positively impacted and enhanced the quality of human life and deepened our understanding of the universe. Previous laureates have included Albert Einstein, Thomas Edison, Marie and Pierre Curie, Orville Wright, Jane Goodall and Bill Gates, among many others.

The Awards Ceremony and Dinner is the culmination of a week-long series of activities aimed at education and outreach, utilizing the individual Laureates, to bring science to the community. Programs like The Franklin Institute Awards, which inspire a passion for learning about science and technology, are made possible by its generous partners. **Bank of America** celebrates 12 years as Lead Supporter of the Awards Ceremony and Dinner. The Awards Week activities, which include Meet the Scientists, Laureates' Laboratory, and the Laureates' symposia, are generously sponsored by Mrs. Frank Baldino, Jr., who is also an Associate Sponsor of the Awards Ceremony and Dinner. *CBS Face the Nation* moderator, Bob Schieffer will serve as host of the elegant black-tie affair.

2014 FRANKLIN INSTITUTE AWARD LAUREATES INCLUDE:

2014 BOWER AWARD FOR BUSINESS LEADERSHIP

WILLIAM W. GEORGE

Harvard Business School | Boston, Massachusetts

For his visionary leadership of Medtronic Corporation, his promotion and writings on corporate social responsibility and leadership, as well as his extraordinary philanthropic contributions to education and health care through The George Family Foundation.

2014 BOWER AWARD AND PRIZE FOR ACHIEVEMENT IN SCIENCE

EDMUND M. CLARKE, PH.D.

Carnegie Mellon University | Pittsburgh, Pennsylvania

For his leading role in the conception and development of techniques for automatically verifying the correctness of a broad array of computer systems, including those found in transportation, communications, and medicine.

2014 BENJAMIN FRANKLIN MEDAL IN CHEMISTRY

CHRISTOPHER T. WALSH, PH.D.

Harvard Medical School | Boston, Massachusetts

For formative studies at the interface of chemistry, biology and medicine that revolutionized the development of antibiotics for the treatment of disease and provided the foundation for the new field of Chemical Biology.

2014 BENJAMIN FRANKLIN MEDAL IN EARTH AND ENVIRONMENTAL SCIENCE

LISA TAUZE, PH.D.

**Scripps Institution of Oceanography | University of California, San Diego
La Jolla, California**

For the development of observational techniques and theoretical models providing an improved understanding of the behavior of, and variations in intensity of, the Earth's magnetic field through geologic time.

2014 BENJAMIN FRANKLIN MEDAL IN ELECTRICAL ENGINEERING

SHUNICHI IWASAKI, PH.D.

Tohoku Institute of Technology | Sendai, Japan

MARK H. KRYDER, PH.D.

Carnegie Mellon University | Pittsburgh, Pennsylvania

For the development and realization of the system of Perpendicular Magnetic Recording, which has enabled a dramatic increase in the storage capacity of computer-readable media.

2014 BENJAMIN FRANKLIN MEDAL IN LIFE SCIENCE

JOACHIM FRANK, PH.D.

Columbia University | New York, New York

For the development of Cryo-Electron Microscopy, for using this technology to investigate the structure of large organic molecules at high resolution, and for discoveries regarding the mechanism of protein synthesis in cells.

2014 BENJAMIN FRANKLIN MEDAL IN MECHANICAL ENGINEERING

ALI HASAN NAYFEH, PH.D.

Virginia Polytechnic Institute and State University | Blacksburg, Virginia

For the development of novel methods to model complex engineering systems in structural dynamics, acoustics, fluid mechanics and electromechanical systems.

2014 BENJAMIN FRANKLIN MEDAL IN PHYSICS

DANIEL KLEPPNER, PH.D.

Massachusetts Institute of Technology | Cambridge, Massachusetts

For many pioneering contributions to discoveries of novel quantum phenomena involving the interaction of atoms with electromagnetic fields and the behavior of atoms at ultra-low temperatures.

About The Franklin Institute

Founded in honor of America's first scientist, Benjamin Franklin, The Franklin Institute is one of America's oldest and premier centers of science education and development in the country. Today, the Institute continues its dedication to public education and creating a passion for science by offering new and exciting access to science and technology in ways that would dazzle and delight its namesake. Recognizing outstanding achievements in science throughout the world is one important way that the Institute honors its commitment to Benjamin Franklin's legacy. For more information, please go to www.fi.edu/awards.